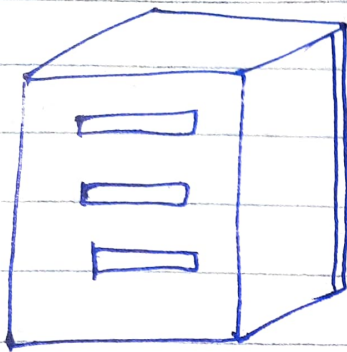


# **SERVER** : A system that provides us a service  
 Ex : Webserver, Db server, file server, Mail server etc.

**HARDWARE**

CPU, RAM's, SSD's/HDD's.

\* Seamless Internet

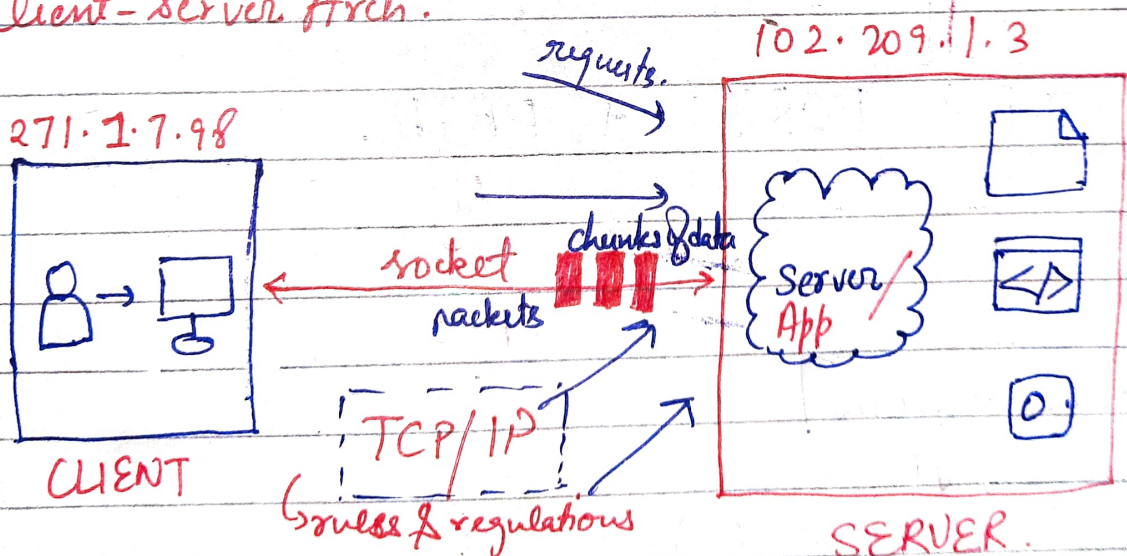
\* No power cut

It Depends  
 both are servers.  
 & sometimes they  
 rely on each other  
 too

**SOFTWARE**

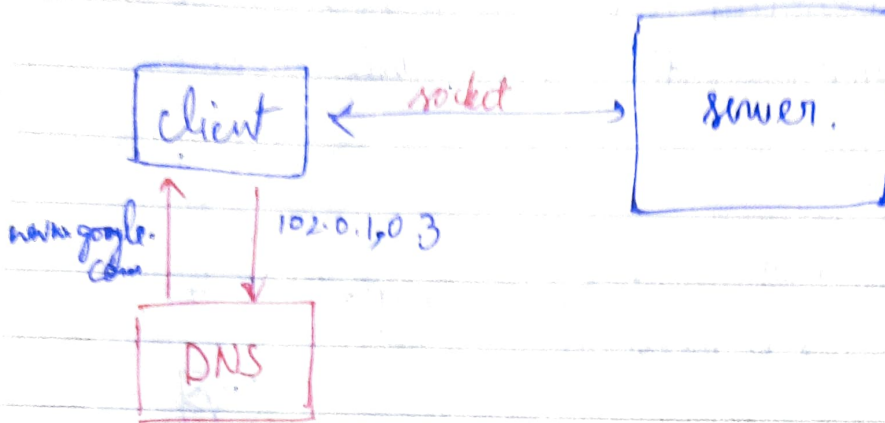
\* OS, device drivers  
 etc.

# **Client-Server Arch.**



- ① Client make socket connection
- ② server replies gives data.
- ③ this connection is then closed.

# # DNS → Domain Name System.



## NOTE

# Multiple http servers are distinguished by **PORT** numbers.

Domain Name



IP + PORT + PATH.



API

namestedeu.com



102.209.6.5 : 3000 /api

↓  
PORT

(http server)

# # Sockets v/s Websockets

↑  
half  
duplex

- \* give & then take
- \* req → res

↑

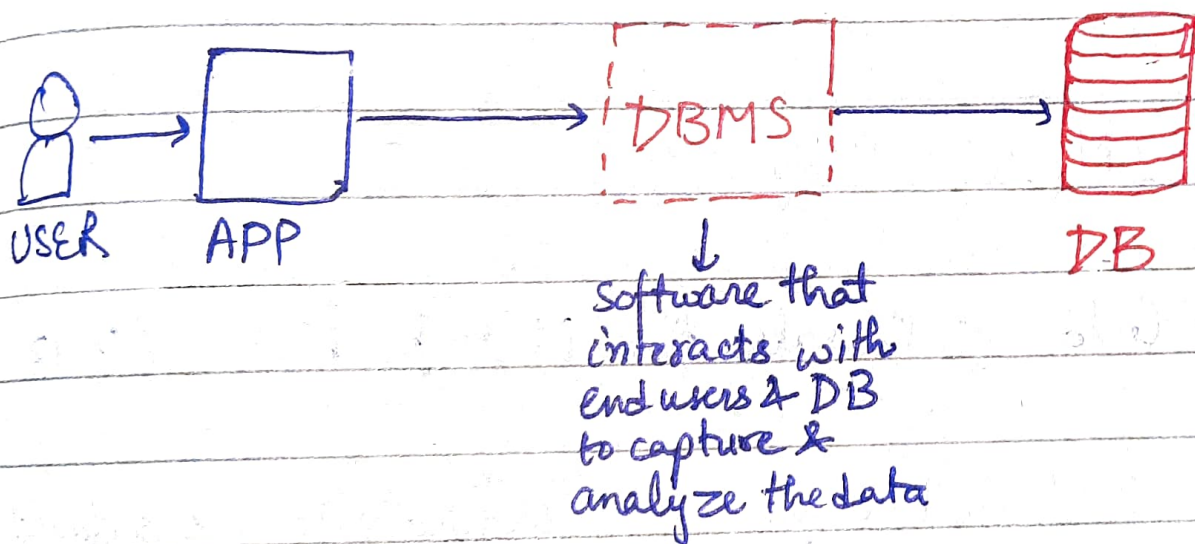
full duplex

- \* real-time
- \* two way

EP-12

## Database — NoSQL v/s SQL

- ↳ Organised collection of data on which we can perform certain operations (DBMS)



\*\*\* Database is a loosely used word to refer to any of DBMS